

U.S. Department
of Transportation

United States
Coast Guard



Guide for Administration of Merchant Marine Deck Examinations (Deck Guide)

April
1994

This publication provides guidance for examination room proctors
and other personnel who actively monitor applicants in the exam room.

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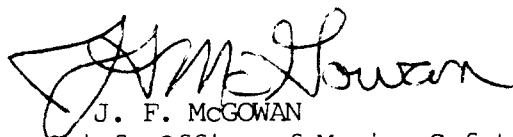
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SUBJ: GUIDE FOR ADMINISTRATION OF MERCHANT MARINE DECK
EXAMINATIONS (DECK GUIDE)

1. PURPOSE. This manual provides guidance for examination room proctors and other personnel who actively monitor merchant marine applicants in the exam room.
2. DIRECTIVES AFFECTED. The Guide for Administration of Merchant Marine Deck Examinations (Deck Guide), COMDTPUB P16721.35, is cancelled.
3. MAJOR CHANGES. The overall format of this publication is revised. The new format consolidates related Exam Structure Sheets (ESS). Each ESS lists the required examination modules in tabular form for quick reference. A General Instructions page is added as a response to frequently asked questions.
4. PROCUREMENT INFORMATION. Regional Exam Centers are provided an initial supply of this publication. Replacement and additional copies are available from the DOT Warehouse, as per COMDTNOTE 5600. Questions should be addressed to G-MVP-5 at 202-267-2705.


J. F. MCGOWAN

Acting Chief, Office of Marine Safety,
Security and Environmental Protection

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RECORD OF CHANGES

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INTRODUCTION

This publication has been designed primarily for the use of examination room proctors and other personnel who are actively engaged in overseeing applicants in the exam room. If you have any questions concerning the deck exams or suggestions for improvements to the exam structure sheets or other sections of this manual, contact Commandant (G-MVP-5).

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INSTRUCTIONS

1. The contents of each exam and the instructions for administration are detailed on the Exam Structure Sheets (ESS). There is an ESS for each exam. Each exam is made up of one or more modules. Modules unique to an exam may be combined with generic modules that are used on other exams. Each module is graded independently of any other module unless otherwise indicated in the ESS. The details of each exam are apparent.
2. The exam code for each module is listed on each ESS. These are the first two or three numbers of the module. For example, 39XXX indicates a module for the OUPV exam (39). The X's are numbers that change. The first X indicates the part of the exam: module 391XX is Part 1 of the OUPV exam. The last two XX's indicate a version of that part. An OUPV exam may consist of specific module 39111 (Pt. 1, version 11), generic modules 07213 (Navigation-General), 06524 (RoR), and 07712 (Practical Chart Nav). The module number is shown on the cover of each module. It is followed by four other digits which must be used in correspondence concerning the modules. These four digits indicate how many times and in what year a module was generated.
3. Partial exams may be allowed for certain candidates, as per Summary Sheet on page 4. Pay close attention to the notes for clarification. If no partial exam is listed on page 4 a FULL EXAM is required.
4. A candidate who previously tested with generic modules is NOT excused from taking these modules again on future exams. The generic modules have no less significance than specific modules. They are important to each exam. They exist to eliminate duplication of testing materials, NOT testing requirements.
5. The latest list of authorized reference material begins on page 7. Review your libraries to ensure that these publications, and only these publications, are available to the candidates. REC's must keep reference materials current. Other test materials allowed in the exam room are listed on page 8. A summary listing of all exam codes begins on page 9.
6. Examinations are to be administered in the module order published on the ESS. Pay special attention to the remarks as some of the listed modules may not be required on all examinations. Applicants may complete as many modules per day as can be completed within the normal working hours of the examination room, with a minimum of two modules per day. At closing time, unanswered or unmarked questions are treated as wrong answers.

SUMMARY SHEET

PARTIAL EXAMS I

Each partial exam listed in this section has a special module developed just for use in that partial exam. The appropriate Rules of the Road module must be completed if not taken within 12 months.

<u>EXAM</u>	<u>MODULE #</u>	<u># QUEST.</u>
1. 2MT or CM TO M-1600	0111X	GEN-35
2. OUPV TO MT-100 ANY ROUTE	0112X	GEN-10
3. 100 GT TO 200 GT O+NC	0113X/073XX	GEN-20/NAV-20
4. 100 GT TO 200 GT I	0114X/073XX	GEN-20/NAV-20

PARTIAL EXAMS II

The partial exams listed in this section use the specific modules from the regular exam for the license desired, as listed below. Also, the appropriate Rules of the Road module must be completed.

<u>EXAM</u>	<u>MODULES</u>
OUTV-O/NC TO M-500/1600 GT-O/NC	201XX//203XX
OUTV-O/NC/GL+I TO M-500/1600 GT-GL+I	251XX//257XX
OUTV-WR TO M-500/1600 GT-WR	301XX
OUTV-O TO M-100/200 GT-O	221XX
OUTV-NC TO M-100/200 GT-O	221XX//078XX
OUTV-NC TO M-100/200 GT-NC	221XX
OUTV-GL+I TO M-100/200 GT-GL+I	27XXX
OUTV-WR TO M-100/200 GT-WR	32XXX

For licenses for 200 GT, on all but rivers routes, the above exams for 100 GT must include the appropriate partial exam for 100 GT to 200 GT, listed in Partial Exams I above.

PARTIAL EXAMS III

1. A full examination is required in all cases in which a candidate wants to CHANGE TONNAGE GROUPS, unless a reduced exam is authorized in section I or II above. Tonnage groups are: "up to and including 200 GT," 200 to 1600 GT, over 1600 GT.

2. A reduced examination MAY be allowed at the discretion of the OCMi when a candidate has applied for an EXTENSION OF ROUTE. As a minimum, a candidate should take the specific module(s) from the full exam for the license desired. They should also take Nav General and Nav Problems if going from WR, RIV, OR ROTWR to Inland waters. See the remarks on each ESS for further guidance.

RULES OF THE ROAD

The ROR exam shall be given to all deck license candidates applying for additional endorsements (except SAIL or TOWING ASSISTANCE) if such an exam has not been completed within the last twelve months.

GENERAL PROCEDURES:

1. Add comments to your Deck Guide as appropriate for situations that are common to your operations. This will provide consistency in dealing with recurring but unique situations.
2. Two modules graded together are considered one module for pass/fail and user fees. When sending protests on a Part A or Part B send the answer sheet to both parts for evaluation of final score.
3. When sending protests to G-MVP-5, note on the protest cover sheet if the protest was submitted before or after the answer sheet was scored.
4. Special attention should be paid to candidates with special circumstances, such as having received a license under the rules existing before December 1987. In these cases, where an exam would otherwise not be required, the OCMI may require a candidate to take the specific modules for the license sought. This potentially applies to at least the 500/1600 GT categories and the OUPV to Master categories.
5. When planning a TET that requires support from G-MVP-5, ensure you provide plenty of advance notice, preferably in written format - e.mail or fax will do. The point of contact is the Deck Section Chief for Deck exams.
6. When a candidate requires testing for multiple ratings, the method for assigning modules for the exam should be done in two steps. The first step is assignment of all applicable modules from the highest rating for which the candidate has applied. The second step is assignment of the specific modules for the remaining rating(s). The specific modules are usually Deck General/Safety or Deck General/Navigation General modules that have been designed specifically for that rating and carry the exam code for that rating. Exceptions to this method may exist when other variables are added.

DEFINITIONS

SPECIFIC MODULES - Modules that are unique to the license required. These are not used with any other license level.

GENERIC MODULES - Modules that are used with more than one license level.

TONNAGE GROUPS - Licenses are issued in several tonnage groups. They are as follows:

- 1) up to and including 200 GT
- 2) 200 GT to 1600 GT
- 3) over 1600 GT

2M - Second Mate

3M - Third Mate

CM - Chief Mate

M - Master

MT - Mate

OUPV - Operator Uninspected Passenger Vessel

OUTV - Operator Uninspected Towing Vessel

GT - Gross Tons

O - Ocean

NC - Near Coastal

I - Inland

GL - Great Lakes

R - Rivers

WR - Western Rivers

ROTWR - Rivers Other Than Western Rivers

FIV - Fishing Industry Vessel

RoR - Rules of the Road

AB - Able Seaman

LB - Lifeboatman

OSV - Offshore Supply Vessel

MODU - Mobile Offshore Drilling Unit (Drill Rigs)

DECK REFERENCE MATERIAL

Authorized for all Deck license exams except RoR.

Replacement copies are available from Commandant (G-MVP-5).

1981 Nautical Almanac
1983 Tide Tables (E. Coast N. & S. America)
1983 Tidal Current Tables (Atlantic Coast of N. America)
Merchant Marine Deck Examination Illustration Book (Jan 92 ed.)
Stability Data Reference Book
Reprints From the Light Lists and Coast Pilots
Light List Vol. 5 (1988 ed. - Riv. and Western Riv. only)
Coast Pilot Vol. 6 (1989 ed. - Great Lakes modules only)
Coast Pilot Vol. 7 (1989 ed. - Rivers and Rivers other than WR)
Guidance Manual for Loading the MV GRAND HAVEN (Great Lakes any
GT modules only)
Operating Manual COASTAL DRILLER (MODU examinations)
Operating Manual DEEP DRILLER (MODU examinations)

Replacement copies are available from DMAHTC.

Sight Reduction Tables for Marine Navigation (Vol. 2 Pub 229)
American Practical Navigator Vol. II Pub 9 (1981 ed.)
International Code of Signals Pub. 102 1993 Revision
Radio Navigational Aids Pub 117*

Automatically distributed by GPO

*33 CFR Parts	1 to 124	
*33 CFR Parts	125 to 199	
*46 CFR Parts	1 to 40	Any problems with CFR's
*46 CFR Parts	41 to 69	try calling G-LRA at
*46 CFR Parts	70 to 89	202-267-1534 and asking
*46 CFR Parts	90 to 139	about distribution.
*46 CFR Parts	140 to 155	
*46 CFR Parts	156 to 165	
*46 CFR Parts	166 to 199	
*49 CFR Parts	100 to 177	

*Chemical Data Guide for Bulk Shipment by Water CIM 16616.6A

*46 USC Annotated - ***purchased by command***

*Ship's Code Card - ***provided by headquarters***

Candidates may provide

Rude Star Finder or equivalent
Calculator - which may not be a navigational calculator
Plotting tools - i.e., dividers, triangles, nautical slide rule

*The effective date is the latest available date.

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TEST MATERIALS

The following charts and miscellaneous materials are required in the examination room for use by the candidates:

Replacement copies are available from DMAHTC.

CHART 12221TR - CHESAPEAKE BAY
CHART 12354TR - LONG ISLAND SOUND
CHART 13205TR - BLOCK ISLAND SOUND
MANEUVERING BOARD WOBZP 5090
GC TRACKING CHART WOXZC 5270
GC TRACKING CHART WOXZC 5274
PLOTING SHEET WOBZP 923 (17°-24°)
PLOTING SHEET WOBZP 924 (23°-30°)
STABILITY WORKSHEETS (LOCALLY REPRODUCED FROM STAB. DATA BOOK)
RADAR PLOTS (LOCALLY REPRODUCED FROM THE RADAR MODULE)

TO ORDER, send a message, SF-344, or letter addressed to -

Defense Mapping Agency	Include OPFAC, and use stock
Combat Support Center	number of item ordering. Stock
Attn: CCOR	numbers for the Charts are
6001 McArthur Blvd	TRAIN12221, TRAIN12354, TRAIN13205
Bethesda, MD 20816-5001	Accept no substitutions.

Replacement copies available from G-MVP-5

CHART 18531 - COLUMBIA RIVER
LORAN CHARTLET *
OMEGA CHART NO.2 *

Replacement copies available from the:

U.S. Army Engineer District, Vicksburg
Corps of Engineers
Vicksburg, Mississippi 39180

MAPS OF THE MISSISSIPPI RIVER (CAIRO TO THE GULF)

****NOTE: Do not reproduce Omega or Loran Chartlets locally except from a Master copy. Local reproduction of copies distorts the chartlets and affects a candidates ability to answer related questions.***

EXAM CODE LISTING

This list shows the module numbers assigned to various exams. Only the numbers that remain the same are indicated. Numbers that may change with a revision or section of an exam are indicated by the letter X.

01XXX - Partial Exams, Addendums
 011XX - Partial
 018XX - Sail addendum
 019XX - Towing Assistance Addendum
 02XXX - Limited Local Licenses
 03XXX - First Class Pilot
 04XXX - Comprehensive Renewal
 05XXX - RoR - 50 questions
 06XXX - RoR - 30 questions
 065XX - Int. + Inl.
 066XX - Inland Only
 07XXX - Generic Navigation
 072XX - Navigation General
 0721X - Inland, Near Coastal, Ocean (20 Questions)
 0723X - Rivers (15 Questions)
 0724X - Western Rivers (15 Questions)
 073XX - 20 Prob. for licenses over 100 GT
 074XX - 7 Prob. river navigation (Columbia River)
 075XX - 10 Prob. Western Rivers navigation
 077XX - 10 Prob. for licenses of 100 GT or less
 0772X - Chesapeake Bay chart
 0773X - Long Island Sound chart
 0774X - Block Island Sound chart
 078XX - Generic Celestial Navigation (5 questions)
 09XXX - Radar observer renewal

10XXX - Master - AGT - O & NC
 11XXX - C Mate - AGT - O & NC
 12XXX - 2Mate - AGT - O & NC
 13XXX - 3Mate - AGT - O & NC

20XXX - Master - 500/1600 GT - O & NC
 21XXX - Mate - 500/1600 GT - O & NC
 22XXX - Master/Mate - O & NC up to and incl. 200 GT
 23XXX - Master - AGT - GL & I
 24XXX - Mate - AGT - GL & I
 25XXX - Master - 500/1600 GT - GL & I
 26XXX - Mate - 500/1600 GT - GL & I
 27XXX - Master/Mate - GL & I up to and incl. 200 GT

30XXX - Master - 500/1600/AGT - RIVERS
 31XXX - Mate - 500/1600 GT - RIVERS
 32XXX - Master/Mate - RIVERS up to and incl. 200 GT

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34XXX - OUTV - O & NC
35XXX - OUTV - INLAND
36XXX - OUTV - WR

37XXX - Master - FIV - O & NC
38XXX - Mate - FIV - O & NC

39XXX - OUPV

40XXX - Tankerman
45XXX - AB - Unlimited, Limited, Special
46XXX - AB - OSV
47XXX - AB - MODU
48XXX - Lifeboatman
49XXX - Lifeboatman - MODU

90XXX - Ballast Control Officer
91XXX - Barge Supervisor
92XXX - Offshore Installation Manager (OIM) Unrestricted
93XXX - OIM Surface Unit On Location
94XXX - OIM Surface Unit Underway
95XXX - OIM Bottom Bearing On Location
96XXX - OIM Bottom Bearing Underway
97XXX - MODU Renewal Exam

<u>Exam Structure Sheet</u>	<u>Page number</u>
1. MASTER-O/NC-ANY GT	12
2. MASTER-O/NC-ANY GT (ORIGINAL)	13
3. C MATE-O/NC-ANY GT	14
4. 2MATE-O/NC-ANY GT	15
5. 3MATE-O/NC-ANY GT	16
6. MASTER-O/NC-500/1600 GT	17
7. MATE-O/NC-500/1600 GT	18
8. MASTER-O-up to and incl. 200 GT	19
9. MASTER/MATE-NC- up to and including 200 GT	20
10. MASTER GL & I-ANY GT	21
11. MATE-GL & I-ANY GT	22
12. MASTER-GL & I-500/1600 GT	23
13. MATE-GL & I-500/1600 GT	24
14. MASTER/MATE-GL & I up to and including 200 GT	25
15. MASTER - RIVERS - 500/1600/ANY GT	26-27
16. MATE - RIVERS - 500/1600GT	28-29
17. MASTER/MATE - RIVERS - up to and including 200 GT	30-31
18. MASTER-FIV-O/NC	32
19. MATE-FIV-O/NC	33
20. FIRST CLASS PILOT	34
21. OUTV-O/NC (DOM)	35
22. OUTV-GL & I	36
23. OUTV-WR	37
24. OUPV-NC, GL & I	38
25. SUPER OUPV	39

<u>Exam Structure Sheet</u>	<u>Page number</u>
30. BALLAST CONTROL OFFICER	40
31. BARGE SUPERVISOR	41
32. OFFSHORE INSTALLATION MGR.	42
40. GENERIC NAV PROB.-20 Q (100+GT)	43
41. GENERIC NAV PROB.-10 Q (TO 100GT)	44
42. GENERIC NAV PROB.-7 Q RIVERS	45
43. GENERIC NAV PROB.-10 Q WEST. RIVERS	46
44. GENERIC CELESTIAL NAVIGATION	47
45. GENERIC NAV GENERAL	48
46. GENERIC NAV GENERAL RIVERS	49
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48. GENERIC RULES OF THE ROAD	51
50. SAIL ADDENDUM	52
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52. PARTIAL EXAM - 2MT TO M-1600	54
53. PARTIAL EXAM - OUPV TO MT-100	55
54. PARTIAL EXAM - 100GT TO 200GT-O&NC	56
55. PARTIAL EXAM - 100GT TO 200GT-I	57
60. RADAR OBSERVER RENEWAL	58
61. RoR RENEWAL EXERCISE	59
62. COMP. RENEWAL EXERCISE	60
63. MODU RENEWAL EXERCISE	61
64. AB RENEWAL	62
70. ABLE SEAMAN - UNLTD, LTD OR SPECIAL	63
71. ABLE SEAMAN - OSV	64
72. ABLE SEAMAN - MODU	65
73. ABLE SEAMAN - PRACTICAL	66
74. LIFEBOATMAN - PRACTICAL	67
75. LIFEBOATMAN	68
76. LIFEBOATMAN - MODU	69
77. TANKERMAN	70

EXAM STRUCTURE SHEET #1

Exam Title: MASTER - OCEAN/NEAR COASTAL - ANY GT

No. of Modules: 4

<u>MODULE</u>	<u>MODULE #</u>	<u># QUEST.</u>	<u>PASSING</u>
Pt B - Stability	102XX	15\ > > > >	70%
Pt A - General	101XX	70/	
Ocean Nav Problems	103XX	10	90%
NC Nav Problems	105XX	10	90%
RoR	05XXX	50	90%
Flashing Light			80%

- Remarks:
1. Parts A and B are graded together. Each question in Part A is worth 1 point. Each question in Part B is worth 2 points. The total score when the two are combined is 100.
 2. Candidates for MASTER - OCEAN must take the Ocean Nav Problems module.
 3. Candidates for MASTER - NEAR COASTAL must take the Near Coastal Nav Problems module.
 4. For an increase in scope from MASTER - NEAR COASTAL to MASTER - OCEAN, candidates must take only the Ocean Nav Problems module.
 5. See exam structure sheet #2 for information on the exam required for an ORIGINAL MASTER'S license.

EXAM STRUCTURE SHEET #2

Exam Title: ORIGINAL MASTER - OCEAN/NEAR COASTAL - ANY GT

No. of Modules: 10

<u>MODULE</u>	<u>MODULE #</u>	<u># QUEST.</u>	<u>PASSING</u>
Deck General A	111XX	50\ > > > >	70%
Deck General B	112XX	50/	
Nav General	113XX	70	70%
Safety A - General	115XX	70	70%
Nav Problems A	117XX	16\	
Ocean Nav Problems	103XX	10 > > > >	90% **
NC Nav Problems	105XX	10/	
Part B - Stability	102XX	15\ > > > >	70%
Part A - General	101XX	70/	
RoR	05XXX	50	90%
Flashing Light			80%

Remarks: 1. Candidates for ORIGINAL MASTER's must take an exam for CHIEF MATE and an exam for MASTER to adequately cover all of the knowledge areas.

2. Deck General A & B are graded together - 100 Q.

3. Part B - Stability and Part A - General are graded together. Each question in Part A is worth 1 point. Each question in Part B is worth 2 points. The total score when the two are combined is 100.

**4. The Nav Problem modules are graded together:

**(1) Master - Ocean license. 10 questions from the MASTER's exam (103XX) and 16 questions from the CHIEF MATE's exam (117XX). The total number of questions is 26. Candidates may miss 3 questions and pass the exam.

**(2) Master - Near Coastal license. The 9 question chart plot from the CHIEF MATE Nav Problem module (117XX) and 10 questions from the MASTER - NC Nav Problem module (105XX). The total is 19 questions. Candidates may miss 2 questions and pass the exam.

EXAM STRUCTURE SHEET #3

Exam Title: CHIEF MATE - OCEAN/NEAR COASTAL - ANY GT

No. of Modules: Ocean 8, Near Coastal 7

MODULE	MODULE #	# QUEST.	PASSING
Deck General A	111XX	50\ > > > >	70%
Deck General B	112XX	50/	
Nav General	113XX	70	70%
RoR	05XXX	50	90%
Safety B - Stability	116XX	15\ > > > >	70%
Safety A - General	115XX	70/	
Nav Problems A	117XX	16\ > > > >	90%
Nav Problems B	118XX	09/	
Flashing Light			80%

- Remarks:
1. Deck General Parts A and B are graded together for a total of 100 questions.
 2. Part B - Stability and Part A - General are graded together. Each question in Part A is worth 1 point. Each question in Part B is worth 2 points. The total score when the two are combined is 100.
 3. Candidates for CHIEF MATE - OCEAN must take Nav Problems A and B. These modules are graded together for a total of 25 questions. OCEAN candidates can miss 3 problems and pass with 90%.
 4. Candidates for CHIEF MATE - NEAR COASTAL do not take the Nav Problems B module. NEAR COASTAL candidates can miss 2 problems and pass with 90%.
 5. For an increase in scope from CHIEF MATE - NEAR COASTAL to CHIEF MATE - OCEAN, candidates must take the Nav Problems B module.
 6. To add Master 1600GT, candidates take module 0111X.
 7. The Nav Problem modules selected for any candidate MUST have compatible fourth digits in the module code. An even number must be paired with an even number or an odd number paired with an odd number.

EXAMPLE - Correct; 11722 and 11841Wrong; 11711 and 11821

EXAM STRUCTURE SHEET #4

Exam Title: SECOND MATE - OCEAN/NEAR COASTAL - ANY GT

No. of Modules: 3

<u>MODULE</u>	<u>MODULE #</u>	<u># QUEST.</u>	<u>PASSING</u>
General	121XX	70	70%
Ocean Nav Problems	125XX	10	90%
NC Nav Problems	124XX	10	90%
RoR	05XXX	50	90%
Flashing Light			80%

- Remarks:
1. Candidates for SECOND MATE - OCEAN take the Ocean Nav Problems module.
 2. Candidates for SECOND MATE - NEAR COASTAL take the Near Coastal Nav Problems module.
 3. For an increase in scope from SECOND MATE - NEAR COASTAL to SECOND MATE - OCEAN a candidate must take only the Ocean Nav Problems module.
 4. Candidates for an ORIGINAL SECOND MATE's license must take the THIRD MATE's exam followed by the appropriate SECOND MATE'S EXAM, minus Rules of the Road. The THIRD MATE Navigation Problem modules are graded together; the SECOND MATE Navigation Problem module is graded separately.
 5. To add endorsement for Master 1600 GT, candidates take module 0111X.

EXAM STRUCTURE SHEET #5

Exam Title: THIRD MATE - OCEAN/NEAR COASTAL - ANY GT

No. of Modules: 6 Ocean, 5 Near Coastal

<u>MODULE</u>	<u>MODULE #</u>	<u># QUEST.</u>	<u>PASSING</u>
Deck General	131XX	70	70%
Nav General	132XX	70	70%
Safety	133XX	70	70%
RoR	05XXX	50	90%
Nav Problems A	135XX	16\ > > > >	90%
Nav Problems B	136XX	09/	
Flashing Light			80%

- Remarks:
1. Candidates for THIRD MATE - OCEAN must take Nav Problem modules A and B. These modules are graded together for a total of 25 questions. OCEAN candidates can miss 3 problems and pass with 90%.
 2. Candidates for THIRD MATE - NEAR COASTAL do not take the Nav Problems B module. NEAR COASTAL candidates can miss 2 problems and pass with 90%.
 3. For an increase in scope from THIRD MATE - NEAR COASTAL to THIRD MATE - OCEAN, candidates must take the Nav Problems B module.
 4. The Nav Problem modules selected for any candidate MUST have compatible fourth digits in the module code. An even number must be paired with an even number or an odd number paired with an odd number.

EXAMPLE - Correct; 13522 and 13641Wrong; 13511 and 13621

EXAM STRUCTURE SHEET #6

Exam Title: MASTER - OCEAN/NEAR COASTAL - 500/1600 GT

No. of Modules: 6 Ocean, 5 Near Coastal

<u>MODULE</u>	<u>MODULE #</u>	<u># QUEST.</u>	<u>PASSING</u>
Deck General/Nav General	201XX	70	70%
Safety	203XX	50	70%
Celestial Nav.	205XX	10	90%
RoR	05XXX	50	90%
Nav Problems	073XX	20	90%
Nav General	0721X	20	70%

- Remarks:
1. Nav Problems and Celestial Nav are graded separately.
 2. Candidates for MASTER - NEAR COASTAL - 500/1600 GT do not take the Celestial Nav module (205XX).
 3. For an increase in scope from NEAR COASTAL to OCEAN - 500/1600 GT, candidates must take Celestial Nav Problems.
 4. OCEAN candidates failing the Celestial Nav module, may be issued a NEAR COASTAL license.
 5. Candidates holding a license for 500 GT may be issued an increase in scope to 1600 GT based on sea service alone. No exam is required.
 6. Candidates holding 2M or CM take module 0111X. See Partial Exams, page 4.
 7. Candidates holding OUTV take modules 201XX, 203XX, and Rules of the Road. See Partial Exams, page 4.

EXAM STRUCTURE SHEET #7

Exam Title: MATE - OCEAN/NEAR COASTAL - 500/1600 GT

No. of Modules: 6 Ocean, 5 Near Coastal

<u>MODULE</u>	<u>MODULE #</u>	<u># QUEST.</u>	<u>PASSING</u>
Deck General/Nav General	211XX	70	70%
Safety	213XX	50	70%
RoR	05XXX	50	90%
Nav Problems	073XX	20	90%
Nav General	0721X	20	70%
Celestial Nav (remark 1)	078XX	05	80%

- Remarks:
1. Nav Problems and Celestial Nav modules are graded separately.
 2. Candidates for MATE - NEAR COASTAL - 500/1600 GT do not take the Celestial Navigation module (078XX).
 3. For an increase in scope from NEAR COASTAL to OCEAN - 500/1600 GT, candidates must take Celestial Nav Problems (078XX).
 4. OCEAN candidates failing the Celestial Nav module may be issued a NEAR COASTAL license.
 5. Candidates holding a license for 500 GT may be issued an increase in scope to 1600 GT based on sea service alone. No exam is required.

EXAM STRUCTURE SHEET #8

Exam Title: MASTER - OCEANS - up to and including 200 GT

No. of Modules: 5

<u>MODULE</u>	<u>MODULE #</u>	<u># QUEST.</u>	<u>PASSING</u>
Deck General/Safety	221XX	70	70%
RoR	065XX	30	90%
Nav Problems over 100GT	073XX	20	90%
Nav Problems	077XX	10	70%
Nav General	0721X	20	70%
Celestial Nav.	078XX	05	80%

- Remarks:
1. Nav Problems and Celestial Nav modules are graded separately.
 2. The Nav Problems module 073XX is used in exams for tonnages in excess of 100 GT. Module 077XX is used in exams for tonnages of 100 GT or less.
 3. Candidates holding MASTER - NEAR COASTAL take the Celestial Nav. module (078XX) to increase scope to OCEAN.
 4. All candidates for tonnages in excess of 100 GT, or for an increase in tonnage from 100 GT or less to over 100 GT, must take the partial exams specified on page 4 - namely 0113X and 073XX.
 5. Candidates holding OUTV - OCEAN take module 221XX. Candidates holding OUTV - NC take modules 221XX and 078XX. See page 4.

EXAM STRUCTURE SHEET #9

Exam Title: MASTER/MATE - NEAR COASTAL - up to and incl. 200 GT

No. of Modules: 4

<u>MODULE</u>	<u>MODULE #</u>	<u># QUEST.</u>	<u>PASSING</u>
Deck General/Safety	221XX	70	70%
RoR	065XX	30	90%
Nav Problems over 100GT	073XX	20	90%
Nav Problems	077XX	10	70%
Nav General	0721X	20	70%

- Remarks:
1. The Nav Problems module 073XX is used in exams for tonnages over 100 GT. Module 077XX is used in exams for tonnages of 100 GT or less.
 2. Candidates holding a MATE's license may be issued a MASTER's license for the same tonnage with no further exam.
 3. All candidates for tonnages in excess of 100 GT, and for an increase in scope from 100 GT or less to over 100 GT, must take the partial exams specified on page 4 - namely 0113X and 073XX.
 4. To increase scope to OCEAN routes, candidates take the Celestial Nav. module 078XX.
 5. Candidates holding OUTV - NC take 221XX for raise in grade.
 6. Candidates holding OUPV - NC take 0112X for raise in grade.
 7. See Partial Exams III on page 4, paragraph 2, for variations with regard to extension of route.

EXAM STRUCTURE SHEET #10

Exam Title: MASTER - GREAT LAKES AND INLAND - ANY GT

No. of Modules: 5 Inland, 6 Great Lakes and Inland

<u>MODULE</u>	<u>MODULE #</u>	<u># QUEST.</u>	<u>PASSING</u>
Deck General/Nav General	231XX	70	70%
Safety	235XX	50	70%
RoR (Int'l/Inland)	05XXX	50	90%
RoR (Inland)	066XX	30	90%
Nav Problems	073XX	20	90%
Nav General	0721X	20	70%
Great Lakes	237XX	25	70%

- Remarks:
1. Candidates for GREAT LAKES and INLAND routes must take the GREAT LAKES module (237XX). Candidates who do not pass this module may be licensed for INLAND routes only. They are not licensed for GREAT LAKES routes.
 2. Candidates for routes on waters governed by the COLREGS must take the 50 question RoR module (05XXX). Candidates for routes governed by the Inland Rules only must take the 30 question Inland Rules module (066XX).

EXAM STRUCTURE SHEET #11

Exam Title: MATE - GREAT LAKES AND INLAND - ANY GT

No. of Modules: 5 Inland, 6 Great Lakes and Inland

<u>MODULE</u>	<u>MODULE #</u>	<u># QUEST.</u>	<u>PASSING</u>
Deck General/Nav General	241XX	70	70%
Safety	243XX	50	70%
RoR (Int'l and Inland)	05XXX	50	90%
RoR (Inland)	066XX	30	90%
Nav Problems	073XX	20	90%
Nav General	0721X	20	70%
Great Lakes	247XX	25	70%

- Remarks:
1. Candidates for GREAT LAKES and INLAND routes must take the GREAT LAKES module (247XX). Candidates who do not pass this module may be licensed for INLAND routes only. They are not licensed for GREAT LAKES routes.
 2. Candidates for routes on waters governed by the COLREGS must take the 50 question RoR module (05XXX). Candidates for routes governed by the Inland Rules only must take the 30 question Inland Rules module (066XX).

EXAM STRUCTURE SHEET #12

Exam Title: MASTER - GREAT LAKES AND INLAND - 500/1600 GT

No. of Modules: 4 Inland, 5 Great Lakes

<u>MODULE</u>	<u>MODULE #</u>	<u># QUEST.</u>	<u>PASSING</u>
Deck Gen/Nav Gen/Safety	251XX	60	70%
RoR (Int'l and Inland)	065XX	30	90%
RoR (Inland)	066XX	30	90%
Nav Problems	073XX	20	90%
Nav General	0721X	20	70%
Great Lakes	257XX	25	70%

- Remarks:
1. Candidates for GREAT LAKES and INLAND routes must take the GREAT LAKES module (257XX). Candidates who do not pass this module may be licensed for INLAND routes only. They are not licensed for GREAT LAKES routes.
 2. Candidates for routes on waters governed by the COLREGS must take the 30 question International & Inland RoR module (065XX). Candidates for routes governed by the Inland Rules only must take the 30 question Inland Rules module (066XX).
 3. Candidates holding a license for 500 GT may be issued an increase in scope to 1600 GT based on sea service alone. No exam is required.

EXAM STRUCTURE SHEET #13

Exam Title: MATE - GREAT LAKES AND INLAND - 500/1600 GT

No. of Modules: 4 Inland, 5 Great Lakes

Module Code: 26XXX

<u>MODULE</u>	<u>MODULE #</u>	<u># QUEST.</u>	<u>PASSING</u>
Deck Gen'l/Safety	261XX	60	70%
RoR (Int'l and Inland)	065XX	30	90%
RoR (Inland)	066XX	30	90%
Nav Problems	073XX	20	90%
Nav General	0721X	20	70%
Great Lakes	267XX	25	70%

- Remarks:
1. Candidates for GREAT LAKES and INLAND routes must take the GREAT LAKES module (267XX). Candidates who do not pass this module may be licensed for INLAND routes only. They are not licensed for GREAT LAKES routes.
 2. Candidates for routes on waters governed by the COLREGS must take the 30 question International & Inland RoR module (065XX). Candidates for routes governed by the Inland Rules only must take the 30 question Inland Rules module (066XX).
 3. Candidates holding a license for 500 GT may be issued an increase in scope to 1600 GT based on sea service alone. No exam is required.

EXAM STRUCTURE SHEET #14

Exam Title: MASTER/MATE - GREAT LAKES AND INLAND - up to and including 100/200 GT

No. of Modules: 4

<u>MODULE</u>	<u>MODULE #</u>	<u># QUEST.</u>	<u>PASSING</u>
Deck Gen/Nav Gen/Safety	27XXX	60	70%
RoR (Int'l and Inland)	065XX	30	90%
RoR (Inland)	066XX	30	90%
Nav Problems over 100GT	073XX	20	90%
Nav Problems	077XX	10	70%
Nav General	0721X	20	70%

- Remarks:
1. Candidates for routes on waters governed by the COLREGS must take the 30 question International and Inland RoR module (065XX). Candidates for routes governed by the Inland Rules only must take the 30 question Inland RoR module (066XX).
 2. The Nav Problems module 073XX is used in exams for tonnages in excess of 100 GT. Module 077XX is used in exams for tonnages of 100 GT or less.
 3. Candidates holding a MATE's license may be issued a MASTER's license for the same tonnage with no further exam.
 4. All candidates for tonnages in excess of 100 GT, or for an increase in scope from 100 GT or less to over 100 GT, must take the partial exam specified on page 4 - namely 0114X and 073XX.
 5. Candidates for an increase in scope from Inland routes to Near Coastal routes must complete, as a minimum, the specific modules for the route desired - namely 22XXX.
 6. Candidates holding OUPV must take partial exam 0112X for raise in grade, as per 46 CFR 10.454. See page 4.
 7. Candidates holding OUTV must take module 27XXX for raise in grade. See page 4.

EXAM STRUCTURE SHEET #15

Exam Title: MASTER - RIVERS - 500/1600/ANY GT
 MASTER - RIVERS OTHER THAN WESTERN RIVERS -
 500/1600/ANY GT
 MASTER - WESTERN RIVERS - 500/1600/ANY GT

No. of Modules: 6 Rivers (see remarks)
 4 ROTWR
 4 Western Rivers

RIVERS			
<u>MODULE</u>	<u>MODULE #</u>	<u># QUEST.</u>	<u>PASSING</u>
General	301XX	70	70%
RoR (Int'l and Inland)	065XX	30	90%
RoR (Inland)	066XX	30	90%
Nav General ROTWR	0723X	15	70%
Nav General WR	0724X	15	70%
Nav Problems ROTWR	074XX	08	90%
Nav Problems WR	075XX	10	90%

The Nav Problems modules and the Nav General modules are graded separately in the Rivers exam.

Rivers OTWR			
<u>MODULE</u>	<u>MODULE #</u>	<u># QUEST.</u>	<u>PASSING</u>
General	301XX	70	70%
RoR (Int'l and Inland)	065XX	30	90%
RoR (Inland)	066XX	30	90%
Nav General ROTWR	0723X	15	70%
Nav Problems ROTWR	074XX	08	90%

Western Rivers			
<u>MODULE</u>	<u>MODULE #</u>	<u># QUEST.</u>	<u>PASSING</u>
General	301XX	70	70%
RoR (Inland)	066XX	30	90%
Nav General WR	0724X	15	70%
Nav Problems WR	075XX	10	90%

- Remarks: 1. Candidates for river routes that include waters governed by the COLREGS must take the 30 question RoR module with International and Inland rules (065XX). All other candidates are examined with module 066XX.
2. For a given route, there is no difference between the exam for any of these licenses based on tonnage. Candidates holding a license for 500 GT may have the tonnage increased based on sea service alone.

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EXAM STRUCTURE SHEET #15 (Continued)

3. Candidates for an unrestricted rivers route must take the ROTWR exam, and the Nav Problems module and Nav General module from the Western Rivers exam.
4. Candidates with a Western Rivers route (or a ROTWR route) can increase the scope of the license to a rivers route by passing the Nav General and Nav Problems modules of the ROTWR (or Western Rivers) exam.

EXAM STRUCTURE SHEET #16

Exam Title: MATE - RIVERS - 500/1600 GT
 MATE - RIVERS OTHER THAN WESTERN RIVERS - 500/1600GT
 MATE - WESTERN RIVERS - 500/1600 GT

No. of Modules: 6 Rivers (see remarks)
 4 ROTWR
 4 Western Rivers

	Rivers		
<u>MODULE</u>	<u>MODULE #</u>	<u># QUEST.</u>	<u>PASSING</u>
General	311XX	60	70%
RoR (Int'l and Inland)	065XX	30	90%
RoR (Inland)	066XX	30	90%
Nav General ROTWR	0723X	15	70%
Nav General WR	0724X	15	70%
Nav Problems ROTWR	074XX	08	90%
Nav Problems WR	075XX	08	90%

The Nav Problems modules and the Nav General modules are graded separately in the Rivers exam.

	Rivers OTWR		
<u>MODULE</u>	<u>MODULE #</u>	<u># QUEST.</u>	<u>PASSING</u>
General	311XX	60	70%
RoR (Int'l and Inland)	065XX	30	90%
RoR (Inland)	066XX	30	90%
Nav General ROTWR	0723X	15	70%
Nav Problems ROTWR	074XX	08	90%

	Western Rivers		
<u>MODULE</u>	<u>MODULE #</u>	<u># QUEST.</u>	<u>PASSING</u>
General	311XX	60	70%
RoR (Inland)	066XX	30	90%
Nav General WR	0724X	15	70%
Nav Problems WR	075XX	08	90%

- Remarks: 1. Candidates for river routes that include waters governed by the COLREGS must take the 30 question RoR module with International and Inland rules (065XX). All other candidates are examined with module 066XX.
2. For a given route, there is no difference between the exam for any of these licenses based on tonnage. A candidate holding a license for 500 GT may have the tonnage increased based on sea service alone.

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EXAM STRUCTURE SHEET #16 (continued)

3. Candidates for an unrestricted rivers route must take the ROTWR exam, and the Nav Problems module and Nav General module from the Western Rivers exam.
4. Candidates with a Western Rivers route (or a ROTWR route) can increase the scope of the license to a rivers route by passing the Nav General and Nav Problems modules of the ROTWR (or Western Rivers) exam.

EXAM STRUCTURE SHEET #17

Exam Title: MASTER/MATE - RIVERS - up to and including 200 GT
 MASTER/MATE - RIVERS OTHER THAN WESTERN RIVERS - up
 to and including 200 GT
 MASTER/MATE - WESTERN RIVERS - up to and incl. 200GT

No. of Modules: 6 Rivers (see remarks)
 4 ROTWR
 4 Western Rivers

Rivers			
MODULE	MODULE #	# QUEST.	PASSING
General	321XX	65	70%
RoR (Int'l and Inland)	065XX	30	90%
RoR (Inland)	066XX	30	90%
Nav General ROTWR	0723X	15	70%
Nav General WR	0724X	15	70%
Nav Problems ROTWR	074XX	08	90%
Nav Problems WR	075XX	10	90%

The Nav Problems modules and the Nav General modules are graded separately in the rivers exam.

Rivers OTWR			
MODULE	MODULE #	# QUEST.	PASSING
General	321XX	65	70%
RoR (Int'l and Inland)	065XX	30	90%
RoR (Inland)	066XX	30	90%
Nav General ROTWR	0723X	15	70%
Nav Problems ROTWR	074XX	08	90%

Western Rivers			
MODULE	MODULE #	# QUEST.	PASSING
General	321XX	65	70%
RoR (Inland)	066XX	30	90%
Nav General WR	0724X	15	70%
Nav Problems WR	075XX	10	90%

- Remarks: 1. Candidates for river routes that include waters governed by the COLREGS must take the 30 question RoR module with International and Inland rules (065XX). All other candidates are examined with module 066XX.
2. For a given route, there is no difference between the exam for any of these licenses based on tonnage. A candidate holding a license for less than 200 GT may have the tonnage increased based on sea service alone.

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EXAM STRUCTURE SHEET #17 (continued)

3. Candidates for an unrestricted rivers route must take the ROTWR exam, and the Nav Problems and Nav General modules from the WR exam.
4. Candidates with a WR route (or a ROTWR route) can increase the scope of the license to a rivers route by passing the Nav General and Nav Problems modules of the ROTWR (or WR) exam.

EXAM STRUCTURE SHEET #18

Exam Title: MASTER - FISHING INDUSTRY VESSELS - OCEAN/NEAR
COASTAL

No. of Modules: 5 Ocean, 4 Near Coastal

<u>MODULE</u>	<u>MODULE #</u>	<u># QUEST.</u>	<u>PASSING</u>
Deck Gen/Nav Gen/Safety	371XX	70	70%
Celestial Navigation	374XX	10	90%
RoR	065XX	30	90%
Nav Problems	073XX	20	90%
Nav General	0721X	20	70%

Remarks:

1. Candidates for OCEAN routes must complete all the above modules.
2. Candidates for NEAR COASTAL routes do not take the Celestial Navigation module (374XX).
3. For an increase in scope from NEAR COASTAL to OCEAN routes candidates must take the Celestial Nav module (374XX).
3. OCEAN candidates failing the Celestial Nav module may be issued a NEAR COASTAL license.

EXAM STRUCTURE SHEET #19

Exam Title: MATE - FISHING INDUSTRY VESSELS - OCEAN/NEAR COASTAL

No. of Modules: 5 Ocean, 4 Near Coastal

<u>MODULE</u>	<u>MODULE #</u>	<u># QUEST.</u>	<u>PASSING</u>
Deck Gen/Nav Gen/Safety	38XXX	60	70%
RoR	065XX	30	90%
Nav Problems	073XX	20	90%
Celestial Nav	078XX	05	80%
Nav General	0721X	20	70%

- Remarks:
1. Candidates for OCEAN routes must complete all the above modules.
 2. Candidates for NEAR COASTAL routes do not take the Celestial Navigation module (078XX).
 3. For an increase in scope from NEAR COASTAL to OCEAN routes, candidates must take only the Celestial Nav module (078XX).
 4. OCEAN candidates failing the Celestial Nav module may be issued a NEAR COASTAL license.

EXAM STRUCTURE SHEET #20

Exam Title: FIRST CLASS PILOT

No. of Modules: 4+ (see remarks)

<u>MODULE</u>	<u>MODULE #</u>	<u># QUEST.</u>	<u>PASSING</u>
Nav General	031XX	30	70%
Deck General	032XX	30	70%
RoR (Int'l and Inland)	05XXX	50	90%
RoR (Inland)	066XX	30	70%
Nav Problems	073XX	20	90%

Individual REC's must include additional examination material to adequately examine the candidate. This will include, but is not limited to, local information questions and a chart sketch. RECs shall establish the passing grade for locally prepared examination material.

- Remarks:
1. If the route includes waters governed by the International Rules of the Road, the 50 question RoR module (05XXX) shall be used. For routes governed by the Inland Rules only use module 066XX.
 2. This exam is for an ORIGINAL PILOT's license only. The exams for extension of route, endorsement to an existing license, and an increase in scope are detailed in 46 CFR 10.707.
 3. The Nav Problem module (073XX) does not apply to all routes and may be deleted from the exam at the discretion of the OCMI. An example of this is the Mississippi River. It would also apply to a pilot route for any well-defined, limited waterway where vessels do not navigate in the traditional sense. Candidates for a PILOT's license on a rivers route may be examined with Nav Problem module 074XX or 075XX at the discretion of the OCMI.
 4. The Deck General and Navigation General modules apply to the examination for a PILOT'S license of 1600 or more gross tons at a coastal port (46 CFR 10.701 & 15.812). Certain questions may not be applicable in all circumstances. These modules may be modified by deleting inapplicable questions and adjusting the scoring basis.
 5. RECs are responsible for developing the local knowledge exams.

EXAM STRUCTURE SHEET #21

Exam Title: OPERATOR UNINSPECTED TOWING VESSELS (OUTV) -
OCEAN/NEAR COASTAL (Domestic)

No. of Modules: 5 Ocean, 4 Near Coastal

<u>MODULE</u>	<u>MODULE #</u>	<u># QUEST.</u>	<u>PASSING</u>
Deck Gen/Nav Gen/Safety	34XXX	60	70%
RoR	065XX	30	90%
Nav Problems	073XX	20	90%
Nav General	0721X	20	70%
Celestial Nav	078XX	05	80%

- Remarks:
1. Candidates for NEAR COASTAL routes do not take the Celestial Navigation module (078XX).
 2. For an increase in scope from NEAR COASTAL to OCEAN routes candidates must take the Celestial Nav module (078XX).
 3. OCEAN candidates failing the Celestial Nav module may be issued a NEAR COASTAL license.
 4. See Partial Exams II on page 4 for candidates wishing to obtain further licenses.

EXAM STRUCTURE SHEET #22

Exam Title: OUTV - GREAT LAKES AND INLAND

No. of Modules: 4

<u>MODULE</u>	<u>MODULE #</u>	<u># QUEST.</u>	<u>PASSING</u>
Deck General/Safety	351XX	60	70%
RoR (Int'l and Inland)	065XX	30	90%
RoR (Inland)	066XX	30	90%
Nav Problems	073XX	20	90%
Nav General	0721X	20	70%

- Remarks: 1. Candidates may take either the Inland RoR (066XX) or the International & Inland RoR (065XX). The correct module depends on whether or not the authorized route extends beyond the COLREGS demarcation lines.
2. See Partial Exams II on page 4 for candidates wishing to obtain further licenses.

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EXAM STRUCTURE SHEET #23

Exam Title: OUTV - WESTERN RIVERS

No. of Modules: 4

<u>MODULE</u>	<u>MODULE #</u>	<u># QUEST.</u>	<u>PASSING</u>
Deck Gen/Nav Gen/Safety	36XXX	60	70%
RoR	066XX	30	90%
Nav Problems	075XX	10	90%
Nav General	0724X	15	70%

Remarks: 1. See Partial Exams II on page 4 for candidates desiring to obtain a raise in grade.

EXAM STRUCTURE SHEET #24

Exam Title: OPERATOR UNINSPECTED PASSENGER VESSELS (OUPV) -
NEAR COASTAL, GREAT LAKES AND INLAND

No. of Modules: 4

<u>MODULE</u>	<u>MODULE #</u>	<u># QUEST.</u>	<u>PASSING</u>
General/Safety	391XX	60	70%
RoR (Int'l and Inland)	065XX	30	90%
RoR (Inland)	066XX	30	90%
Nav General	0721X	20	70%
Nav Problems	077XX	10	70%

- Remarks:
1. Candidates for NEAR COASTAL routes take the 065XX RoR module.
 2. Candidates for GREAT LAKES and INLAND routes take either the generic Inland RoR (066XX) module or the generic International/Inland RoR (065XX) depending on whether or not the authorized route extends beyond the COLREGS demarcation lines.
 3. Candidates increasing scope from Inland to Near Coastal are required to take the practical navigation module (077XX) if the OUPV license was issued prior to 1987.
 4. Candidates holding OUPV licenses may advance to MATE - 100 GT - INLAND or NEAR COASTAL by taking a partial exam based on the Subchapter-T regulations, as per 46 CFR 10.427. This exam module is 0112X - see page 4.

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EXAM STRUCTURE SHEET #25

Exam Title: SUPER OUPV

No. of Modules:

<u>MODULE</u>	<u>MODULE #</u>	<u># QUEST.</u>	<u>PASSING</u>
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Remarks: 1. To Be Developed.

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EXAM STRUCTURE SHEET #30

Exam Title: BALLAST CONTROL OFFICER

No. of Modules: 2

<u>MODULE</u>	<u>MODULE #</u>	<u># QUEST.</u>	<u>PASSING</u>
MODU OPS	901XX	50	70%
General/Safety	902XX	60	70%

Remarks:

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EXAM STRUCTURE SHEET #31

Exam Title: BARGE SUPERVISOR

No. of Modules: 2

<u>MODULE</u>	<u>MODULE #</u>	<u># QUEST.</u>	<u>PASSING</u>
MODU OPS	911XX	50	70%
General/Safety	912XX	60	70%

Remarks: 1. When endorsed on OIM the full test is administered.

EXAM STRUCTURE SHEET #32

Exam Title: OFFSHORE INSTALLATION MANAGER (OIM)

No. of Modules: 2: MODU OPS
General/Safety

<u>MODULE</u>	<u>MODULE #</u>	<u># QUEST.</u>	<u>PASSING</u>
MODU OPS	See remarks	VAR	70%
General/Safety	922XX	60	70%

Remarks: 1. This license is issued with the following endorsements:

- A. OIM Unrestricted - 921XX
- B. OIM Surface Units on Location - 931XX
- C. OIM Surface Units Underway - 941XX
- D. OIM Bottom Bearing Units on Location - 951XX
- E. OIM Bottom Bearing Units Underway - 961XX
- * The 921XX module has 50 questions, the other modules listed each have 30 questions.

- 2. Candidates for an unrestricted endorsement take the 50-question module (921XX) for OIM Unrestricted and the General/Safety module. Candidates for the other endorsements must take the 30-question module(s) that apply to the desired endorsement(s), and the General/Safety module.
- 3. Candidates holding a license with one of the endorsements listed in 1.B through 1.E who are seeking another restricted endorsement must take the MODU OPS module that pertains to the new endorsement. When endorsements 1.B through 1.E have been acquired, the license can be endorsed for unrestricted service. A candidate holding a license with one or more endorsements may progress directly to OIM Unrestricted by passing the 50-question MODU OPS module for OIM Unrestricted.

EXAM STRUCTURE SHEET #40

Exam Title: GENERIC NAVIGATION PROBLEMS - 20 QUESTIONS
Practical Chart Navigation

<u>MODULE</u>	<u>MODULE #</u>	<u># QUEST.</u>	<u>PASSING</u>
Nav Problems	073XX	20	90%

Remarks: 1. This module is used with many exams for licenses of over 100 GT and all licenses for fishing industry vessels. It contains:

- 15 chart plot questions
- 1 tide problem
- 1 current problem
- 3 course and/or compass problems

EXAM STRUCTURE SHEET #41

Exam Title: GENERIC NAVIGATION PROBLEMS - 10 QUESTIONS
Practical Chart Navigation

<u>MODULE</u>	<u>MODULE #</u>	<u># QUEST.</u>	<u>PASSING</u>
Nav Problems	077XX	10	70%

Remarks: 1. This module is used only in exams for licenses of 100 GT or less.

2. This module has 10 questions based on the use of the magnetic compass, a chart, and the publications.

3. The module number indicates the particular chart the module is based upon:

0772X	Chesapeake Bay
0773X	Long Island Sound
0774X	Block Island Sound

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EXAM STRUCTURE SHEET #42

Exam Title: GENERIC NAVIGATION - 7 QUESTIONS - ROTWR
Practical Chart Navigation

<u>MODULE</u>	<u>MODULE #</u>	<u># QUEST.</u>	<u>PASSING</u>
Nav Problems ROTWR	074XX	08	90%

Remarks:

1. This module is used in exams for licenses with routes for Rivers or Rivers other than Western Rivers.
2. This module has 7 questions based on the use of chart no. 18531 - Columbia River, and the publications.
3. These problems do not require the candidate to plot on the chart, therefore the chart can be reused.
4. Candidates can miss one question and pass with 90%.

EXAM STRUCTURE SHEET #43

Exam Title: GENERIC NAVIGATION - 10 QUESTIONS - WESTERN RIVERS
Practical Chart Navigation

<u>MODULE</u>	<u>MODULE #</u>	<u># QUEST.</u>	<u>PASSING</u>
Nav Problems WR	075XX	10	90%

Remarks:

1. This module is used in exams for licenses with routes for Rivers or Western Rivers.
2. This module has 10 questions based on the use of the Mississippi River maps and the Light Lists.
3. These problems do not require the candidate to plot on the maps, therefore the maps can be reused.
4. To order the Mississippi River maps see instructions under Test Materials, page 8.

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EXAM STRUCTURE SHEET #44

Exam Title: GENERIC CELESTIAL NAVIGATION

<u>MODULE</u>	<u>MODULE #</u>	<u># QUEST.</u>	<u>PASSING</u>
Celestial Nav.	078XX	05	80%

Remarks: 1. This module contains five questions on celestial navigation based on the Sun.

2. This module is used with the examinations for:
- MASTER - 200 GT - OCEANS
 - MATE - FIV - OCEANS
 - MATE - 500/1600 GT - OCEANS
 - OUTV - OCEANS

EXAM STRUCTURE SHEET #45

Exam Title: GENERIC NAV GENERAL - OCEAN, NEAR COASTAL,
INLAND, AND GREAT LAKES

<u>MODULE</u>	<u>MODULE #</u>	<u># QUEST.</u>	<u>PASSING</u>
Nav General	0721X	20	70%

Remarks: 1. This module contains questions on general navigation topics that are common to all licenses. Modules include basic questions on buoyage, weather, instruments, etc. Questions on topics that are applicable to a limited category of vessels because of their size, type, or route are contained in the specific module(s) unique to the exam for that specific license.

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EXAM STRUCTURE SHEET #46

Exam Title: GENERIC NAV GENERAL - RIVERS OTHER THAN WESTERN
RIVERS (ROTWR)

<u>MODULE</u>	<u>MODULE #</u>	<u># QUEST.</u>	<u>PASSING</u>
Nav General ROTWR	0723XX	15	70%

Remarks: 1. This module contains questions on general navigation topics common to all river systems except the Western Rivers. It is used in exams for routes on Rivers and ROTWR.

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EXAM STRUCTURE SHEET #47

Exam Title: GENERIC NAV GENERAL - WESTERN RIVERS

<u>MODULE</u>	<u>MODULE #</u>	<u># QUEST.</u>	<u>PASSING</u>
Nav General WR	0724X	15	70%

Remarks: 1. This module contains questions on general navigation upon the Western Rivers. It is used in exams for routes on Rivers and Western Rivers.

EXAM STRUCTURE SHEET #48

Exam Title: RULES OF THE ROAD

<u>MODULE</u>	<u>MODULE #</u>	<u># QUEST.</u>	<u>PASSING</u>
Int'l and Inland	05XXX	50	90%
Int'l and Inland	065XX	30	90%
Inland	066XX	30	90%

- Remarks: 1. The 50 question (05XXX) module is used in the following exams ONLY:
- A. MASTER and MATE - 500 GT and over, on OCEAN and NEAR COASTAL routes.
 - B. MASTER and MATE - INLAND, ANY GT - when the route includes waters governed by the COLREGS.
 - C. PILOT - when the route includes waters governed by the COLREGS.
2. All other exams that require a RoR module will use either 065XX or 066XX as appropriate.

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EXAM STRUCTURE SHEET #50

Exam Title: SAIL ADDENDUM

No. of Modules: 1

<u>MODULE</u>	<u>MODULE #</u>	<u># QUEST.</u>	<u>PASSING</u>
Sail Addendum	018XX	10	70%

Remarks: 1. This module is used as a supplement to any examination of appropriate GT when the candidate is seeking an auxiliary sail endorsement.

2. The Rules of the Road recency requirement does not apply to this endorsement.

EXAM STRUCTURE SHEET #51

Exam Title: ASSISTANCE TOWING

No. of Modules: 1

<u>MODULE</u>	<u>MODULE #</u>	<u># QUEST.</u>	<u>PASSING</u>
Assistance Towing	019XX	15	70%

- Remarks:
1. This module supplements examinations for MASTER or MATE of inspected vessels of 200 GT or less, and OUPV when the candidate is seeking an assistance towing endorsement.
 2. This module is administered alone, as an addendum, when the candidate has applied for an endorsement to an existing license.
 3. Candidates for an ORIGINAL license wishing to perform assistance towing must pass the license exam appropriate to the vessel he/she intends to operate.
 4. The Rules of the Road recency requirement does not apply to this endorsement.

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EXAM STRUCTURE SHEET #52

Exam Title: Partial Exam - SECOND MATE to MASTER - 1600 GT

No. of Modules: 1

<u>MODULE</u>	<u>MODULE #</u>	<u># QUEST.</u>	<u>PASSING</u>
General	0111X	35	70%

Remarks: 1. A SECOND MATE - NEAR COASTAL who passes this exam will raise their license to MASTER - 1600 GT - NEAR COASTAL.

2. A SECOND MATE - OCEAN who passes this exam will raise their license to MASTER - 1600 GT - OCEAN.

3. This partial exam applies to any license holder at SECOND MATE or above desiring MASTER 1600 GT.

EXAM STRUCTURE SHEET #53

Exam Title: Partial Exam - OUPV to MATE 100 GT

No. of Modules: 1

<u>MODULE</u>	<u>MODULE #</u>	<u># QUEST.</u>	<u>PASSING</u>
General	0112X	10	70%

- Remarks:
1. This module contains questions on the regulations for small passenger vessels.
 2. This module is used for OUPV on any route going to MATE of 100 GT or less.
 3. To increase the tonnage over 100 GT candidates must pass the 20-question Nav problem module (073XX), as well as the 100 GT to 200 GT partial exam - 0113X.
 4. For raise in grade from MATE to MASTER 100 GT, candidates must have sufficient sea service to satisfy the requirements. No further test is required.
 5. When a candidate examines for MATE and increases to MASTER at the same time, based on sea service, REC's should take credit for two transactions on the Licensing Information System (LIS) card.

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EXAM STRUCTURE SHEET #54

Exam Title: Partial Exam - 100 GT to 200 GT - OCEAN or NEAR
COASTAL

No. of Modules: 2

<u>MODULE</u>	<u>MODULE #</u>	<u># QUEST.</u>	<u>PASSING</u>
General	0113X	20	70%
Nav Problems	073XX	20	90%

Remarks: 1. This module is used in the MASTER's or the MATE's exam when the tonnage is increased from 100 GT or less to over 100 GT.

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EXAM STRUCTURE SHEET #55

Exam Title: Partial Exam - 100 GT to 200 GT - INLAND

No. of Modules: 2

<u>MODULE</u>	<u>MODULE #</u>	<u># QUEST.</u>	<u>PASSING</u>
General	0114X	20	70%
Nav Problems	073XX	20	90%

Remarks: 1. This module is used in either the MASTER's or the MATE's exam when the tonnage is increased from 100 or less GT to over 100 GT.

EXAM STRUCTURE SHEET #60

Exam Title: RENEWAL EXERCISE - RADAR OBSERVER

No. of Modules: 1

<u>MODULE</u>	<u>MODULE #</u>	<u># QUEST.</u>	<u>PASSING</u>
Radar Renewal	09XXX	20	90%

- Remarks:
1. These are timed tests. The candidate has 20 minutes for each plot. There are 2 plots to the test.
 2. The two plots are graded together, each question is worth 5 points.
 3. Candidates may read the instructions and examine the module booklet and the plots immediately prior to the exam, to gain familiarity with the overall layout of the plots and the types of questions.

NO PLOTTING IS PERMITTED AT THIS TIME.

4. After the candidate is ready to start, provide a copy of the plot to use as a working copy. Start the timer at that point.
5. After 20 minutes, stop the candidate. Repeat steps 4 and 5 for the second plot.
6. This renewal exercise may be used for OCEAN or INLAND renewals and is only provided in ports that do not have Radar Renewal courses in their districts. Reference 46 CFR §10.480.

EXAM STRUCTURE SHEET #61

Exam Title: RENEWAL EXERCISE - RULES OF THE ROAD

No. of Modules: 1

<u>MODULE</u>	<u>MODULE #</u>	<u># QUEST.</u>	<u>PASSING</u>
RoR Renewal	048XX	30	90%

- Remarks:
1. This is the renewal exercise designated in 46 CFR §10.209 (c)(iv).
 2. This is an open book exercise which may be sent to the candidate by mail or issued at the REC.
 3. This exercise consists of a master module and a question selection/answer sheet (QSAS). The module contains 100 questions on the Rules of the Road. The QSAS indicates which 30 questions the candidate is to answer from the master module.
 4. Candidates who do not score 90% on the first attempt are given the opportunity to correct the questions missed. If candidates fail to correct enough questions to obtain a passing score they are given a different QSAS to repeat the exercise.
 5. REC's/MU's are provided with master copies of QSAS's for exercises covering both the COLREGS and Inland Rules, and Inland Rules only. The same module is used with both sets of rules. REC's/MU's reproduce the QSAS's they need from the master copies provided.
 6. The module may be distributed to the public upon request. The QSAS is only distributed to candidates.

EXAM STRUCTURE SHEET #62

Exam Title: COMPREHENSIVE RENEWAL EXERCISE

No. of Modules: 1; Module Code: 04XXX

- Remarks: 1. This is the renewal exercise designated in 46 CFR §10.209 (c)(1)(ii). It is administered with the RoR Renewal Exercise (ESS #61). Both exams require a passing score of 90%. If more than one license is held, the renewal for the highest license held is appropriate. Both exercises consist of a master module and a question selection/answer sheet (QSAS). The QSAS indicates the questions to be answered from the master modules.
2. This exercise is an open book exercise which may be sent to the candidate by mail or issued at the REC. If completed at the REC, the REC is only required to provide the references normally available to exam room candidates, and a current COMDTINST M16672.XX.
3. Remarks 4 and 6 on ESS #61 apply.
4. REC's/MU's will be provided with master copies of the QSAS's. REC's/MU's should reproduce working copies of the QSAS's from the master copies. The module is used with all of the QSAS's.
5. The third and fourth digits on the QSAS indicate the level of license to which it applies. The fifth digit indicates a different version of the exercise.

QSAS CODE	RENEWAL FOR LICENSE		
0401X	2M, CM, MAS	AGT	O & NC
0402X	3M	AGT	O & NC
0403X	MAS, MATE	AGT	GL & I
0404X	MAS	5/1600 GT	O & NC
0405X	MATE	5/1600 GT	O & NC
0405X	MAS, MATE	5/1600 GT	GL & I
0406X	MAS, MATE	FIV	
0407X	MAS	5/16/AGT	RIVERS
0408X	MATE	5/16/AGT	RIVERS
0409X	MAS, MATE	200 GT	O, NC, GL & I
0409X	OUTV	O & NC	
0410X	MAS, MATE	200 GT	RIVERS
0411X	OUTV	I	
0412X	OUTV	WR	
0413X	OUPV		

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EXAM STRUCTURE SHEET #63

Exam Title: MODU RENEWAL EXERCISE

No. of Modules:

<u>MODULE</u>	<u>MODULE #</u>	<u># QUEST.</u>	<u>PASSING</u>
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Remarks: 1. To Be Developed

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EXAM STRUCTURE SHEET #64

Exam Title: ABLE SEAMAN RENEWAL EXERCISE

No. of Modules:

<u>MODULE</u>	<u>MODULE #</u>	<u># QUEST.</u>	<u>PASSING</u>
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Remarks: 1. To Be Developed

EXAM STRUCTURE SHEET #70

Exam Title: ABLE SEAMAN - UNLIMITED, LIMITED OR SPECIAL

No. of Modules: 2

<u>MODULE</u>	<u>MODULE #</u>	<u># QUEST.</u>	<u>PASSING</u>
Part A	451XX	50\ > > > >	70%
Part B	452XX	50/	

- Remarks:
1. Parts A and B are graded together for a total of 100 questions.
 2. Candidates who do not have a Lifeboatman's endorsement on their MMD must pass the LIFEBOATMAN's exam. See ESS #74 and #75.
 3. Candidates must pass the Able Seaman practical exam on ESS #73.
 4. Candidates for AB - FIV take this exam and the AB practical exam on ESS #73, but are not required to take the lifeboatman exam.
 5. Candidates holding a deck license who want an MMD for Able Seaman Unlimited, Limited or Special must test as follows:

<u>License Held</u>	<u>AB</u> <u>Written</u>	<u>LB</u> <u>Written</u>	<u>LB</u> <u>Practical</u>	<u>AB</u> <u>Practical</u>
Master/Mate 200GT - 0	X	X	X	X
Master/Mate 500/1600GT	X	X	X	X
Unlimited - orig.	NONE	NONE	X	NONE

A letter of competency for approved lifeboatman training may be substituted for the practical exam. See appendix B.

EXAM STRUCTURE SHEET #71

Exam Title: ABLE SEAMAN - OSV

No. of Modules: 2

<u>MODULE</u>	<u>MODULE #</u>	<u># QUEST.</u>	<u>PASSING</u>
Part A	461XX	50\ > > > >	70%
Part B	462XX	50/	

- Remarks:
1. Parts A and B are graded together for a total of 100 questions.
 2. Candidates must pass the Able Seaman practical exam on ESS #73.
 3. Candidates for AB - Sail take this exam along with the Sail Addendum. Inappropriate questions may be removed from this module.

EXAM STRUCTURE SHEET #72

Exam Title: ABLE SEAMAN - MODU

No. of Modules: 2

<u>MODULE</u>	<u>MODULE #</u>	<u># QUEST.</u>	<u>PASSING</u>
Part A	471XX	50\ > > > >	70%
Part B	472XX	50/	

- Remarks:
1. Candidates who do not have a Lifeboatman MODU endorsement on their MMD must pass the LIFEBOATMAN MODU exam. See ESS #73, #74 and #76.
 2. Parts A and B are graded together for a total of 100 questions.
 3. Candidates must pass the Able Seaman practical exam on ESS #73.

EXAM STRUCTURE SHEET #73

Exam Title: ABLE SEAMAN - PRACTICAL

No. of Modules: Practical demonstration of splicing and knot tying

- Remarks:
1. Administer this exam after the written exam is successfully passed.
 2. The REC/MU should supply materials. Line used for splicing may not be reusable. Line used for knot tying is reusable. Suggestions for administration of this exam:
 - a. Have a QM/BM type from active duty or reserve administer this exam by appointment.
 - b. Accept a completed letter of competency similar to the one in Appendix B.
 3. Candidates must satisfactorily complete one splice with strands whipped. This splice may be an EYE SPLICE or a SHORT SPLICE. This is to be completed in 15 minutes, and must be completed successfully BEFORE the knot tying part of the exam.
 4. After completing the splice, the examiner will select 10 knots from the following list. The candidate must tie 7 knots successfully for a passing score of 70%. Time allowed 20 minutes.

LIST OF KNOTS

- | | |
|-------------------|-----------------------------------|
| 1. *BOWLINE | 9. RUNNING BOWLINE |
| 2. *SQUARE KNOT | 10. BOWLINE ON A BIGHT |
| 3. *CLOVE HITCH | 11. FISHERMAN'S BEND |
| 4. *SHEET BEND | 12. TIMBER HITCH |
| 5. CARRICK BEND | 13. CATSPAW |
| 6. ROLLING HITCH | 14. FIGURE EIGHT |
| 7. STOPPER HITCH | 15. BARREL HITCH |
| 8. FRENCH BOWLINE | 16. ROUND TURN AND 2 HALF HITCHES |

- * Knots marked with an asterisk must be included in the 10 knots tied.

EXAM STRUCTURE SHEET #74

Exam Title: LIFEBOATMAN - PRACTICAL

No. of Modules: Demonstration or description of lifeboat launching and recovery, and life raft launching.
Passing score 70%.

- Remarks:**
1. Administer this exam after the written exam is successfully passed.
 2. Suggestions for administration of this exam:
 - a. Have a QM/BM type from active duty or reserve administer this exam by appointment.
 - b. Accept a completed letter of competency similar to the one in Appendix B.
 3. **Part I:** Examiner selects 8 oar commands, from list of 16 in Appendix A, to be explained by candidate. Maximum score 8 points.
 4. **Part II:** Examiner selects 7 component parts of lifeboat and davits, from list of 24 parts in Appendix A, to be described by candidate. Maximum score 7 points.
 5. **Part III:** Examinee describes in detail the 85 procedural steps in launching and recovery of lifeboats, and the launching details for life rafts. Steps are checked off on the checklist provided in Appendix A. If more than 40 steps are checked off in column A, the examiner asks ONE question for each of the steps missed. Correct responses are checked off in column B. The total of columns A and B is the final score on this part. If the candidate scores less than 40 in column A this is a failure. Maximum score 85 points.

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EXAM STRUCTURE SHEET #75

Exam Title: LIFEBOATMAN

No. of Modules: 1

<u>MODULE</u>	<u>MODULE #</u>	<u># QUEST.</u>	<u>PASSING</u>
Lifeboatman	48XXX	70	70%

Remarks: 1. The lifeboatman practical exam (ESS #74) must be completed.

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EXAM STRUCTURE SHEET #76

Exam Title: LIFEBOATMAN - MODU

No. of Modules: 1

<u>MODULE</u>	<u>MODULE #</u>	<u># QUEST.</u>	<u>PASSING</u>
Lifeboatman - MODU	49XXX	50	70%

Remarks: 1. The lifeboatman practical exam (ESS #74) must be completed.

EXAM STRUCTURE SHEET #77

Exam Title: TANKERMAN

No. of Modules: 1, LFG 2

<u>MODULE</u>	<u>MODULE #</u>	<u># QUEST.</u>	<u>PASSING</u>
General	401XX	60	70%
LFG	407XX	15	70%

- Remarks:
1. The General module and the LFG module are graded separately.
 2. Tankerman applicants complete the general module. The grade of cargo they may handle, that which is indicated on their MMD, is dependent upon their training and practical experience.
 3. Candidates who want to add further endorsements on their tankerman's document, i.e. go from "grade D and lower" to "grade B and lower", are not required to test. They may add these endorsements to their document based on training and practical experience.
 4. Candidates for an LFG endorsement must pass the general module and the LFG module. When the new tankerman regulations become effective, applicants for this endorsement will be required to attend special training in lieu of testing.

APPENDIX A

LIFEBOATMAN PRACTICAL LISTS

Part I:

OAR COMMANDS

1. _____ **STAND BY THE OARS** - Lift oars off thwarts, place blades flat on the forward gunwales, push oars forward until handle is over respective thwart.
2. _____ **UP OARS** - Lift oars to vertical position. Trim blades fore and aft with handles resting on footings.
3. _____ **LET FALL** - Let oars fall into rowlocks, using crook of outboard arm to control the oars. Trim oars horizontally with blades trimmed fore and aft.
4. _____ **GIVE WAY** - Blades of oars are moved forward and dipped about half way into water and stroke started. At end of stroke, blades are feathered fore and aft and pushed forward, and another stroke is made.
5. _____ **OARS** - Complete the stroke, stop rowing, and bring the oars horizontal at right angles to the keel with the blades held flat.
6. _____ **BACK WATER** - Row in astern motion.
7. _____ **HOLD WATER** - Complete the stroke, stop rowing, dip blade about half way into water and hold water to stop the way on the boat.
8. _____ **STERN ALL** - When rowing in ahead motion, complete the stroke, then commence to back water, gradually increasing the depth of immersion of the blades.
9. _____ **WAY ENOUGH** - When rowing in ahead motion, complete the stroke, raise oars with crook of elbow to about 30 degrees swing blade forward, and place oars in the boat.
10. _____ **IN BOWS** - The bowmen complete the stroke, swing their oars forward and boat the oars, then stand by with boathook to receive the sea painter or boat rope.
11. _____ **BOAT THE OARS** - From "Oars" or from "Toss Oars", place the oars in the boat with blades forward.
12. _____ **OUT OARS** - Place oars in rowlocks directly from the boated position or from "Stand by Oars" position.
13. _____ **STAND BY TO GIVE WAY** - Term used in racing. The blades are pushed to forward position and slightly dipped ready for an instant start.
14. _____ **GIVE WAY PORT, BACK WATER STARBOARD**
GIVE WAY STARBOARD, BACK WATER PORT - These orders are given to turn the boat without making way ahead or

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astern. They will result in turning the boat with slight headway.

15. _____ **TRAIL OARS** - Trim blades of the oars are brought alongside the boat and left trailing in the water in single banked boats fitted with swivel rowlocks.
16. _____ **TOSS OARS** - Complete the stroke, come to "Oars", raise the oars smartly to the vertical, rest handles on the footing and trim blades fore and aft.

LIFEBOAT LAUNCHING - PRACTICAL EXAMINATION

Part II: IDENTIFY THE 24 COMPONENTS LISTED BELOW:

- | | | | |
|-------------------------|-------|---------------------------------|-------|
| 1. SEA PAINTER | _____ | 13. HAND CRANK | _____ |
| 2. TOGGLE PIN | _____ | 14. EMBARKATION DECK | _____ |
| 3. THWART | _____ | 15. TRICING PENDANT | _____ |
| 4. BOAT PLUG | _____ | 16. TRIPPING LINES | _____ |
| 5. SPAN WIRE & MAN ROPE | _____ | 17. TRACK LOCKING BAR | _____ |
| 6. GRIPES | _____ | 18. FRAPPING LINES | _____ |
| 7. DAVIT ARMS | _____ | 19. FALLS | _____ |
| 8. DAVIT TRACKS | _____ | 20. ROTTMER RELEASING GEAR | _____ |
| 9. CRADLE | _____ | 21. OPERATING CONTROL SWITCH | _____ |
| 10. PREVENTER BAR | _____ | 22. EMERGENCY DISCONNECT SWITCH | _____ |
| 11. WINCH | _____ | 23. LIMIT SWITCH | _____ |
| 12. WINCH BRAKE HANDLE | _____ | 24. FLOATING BLOCK | _____ |

LIFEBOAT LAUNCHING - PRACTICAL EXAMINATION

Part III: DETAILED LAUNCH AND RECOVERY OF LIFEBOAT

Examinee describes in detail the launching of a LB. Items are checked off in the "A" column as they are included in his description.

Any items not checked in YES column should be questioned from information in this column to evaluate examinees overall knowledge and understanding. If good seamanship shown then check off the "B" column.

CHECK OFF LIST

CLARIFICATIONS OR QUESTIONS TO ASK

*** LIFEBOAT LOWERING *** "A"

***** "B"

MUSTER CREW	___	HOW DO YOU KNOW YOU HAVE EVERYBODY?	___
CHECK DUTIES	___	HOW DO YOU KNOW THEY ARE TRAINED?	___
LIFE JACKETS & HARDHATS OR EXPOSURE SUITS	___	WHAT SHOULD THEY BE WEARING?	___
DAVIT TRACKS CLEAR	___	WHAT SHOULD BE CHECKED ON THE DAVITS?	___
OBSTRUCTIONS BELOW	___	WHAT SHOULD YOU CHECK BEFORE LOWERING?	___
EMBARKATION LADDER	___	HOW DOES WINCH BREAKMAN GET IN THE LB?	___
UNCOVER BOAT	___	WHAT PROTECTS THE INTERIOR OF STOWED LB?	___
REMOVE STRONGBACK	___	WHAT KEEPS COVER FROM CATCHING RAIN?	___
PLUG DRAIN	___	WHAT KEEPS WATERBORNE LB FROM SINKING?	___
PREPARE MANROPE	___	WHAT IS HELD ON TO AS LB IS LOWERED?	___
SHIP TILLER	___	HOW DO YOU STEER THE BOAT?	___
RELEASING LEVER SECURE	___	HOW DO YOU LET GO OF THE BOAT FALLS?	___
TRICING LINES ATTACHED	___	WHAT DO YOU CHECK AS TO TRICING LINES?	___
SEA PAINTER:	___	WHAT DO YOU DO WITH THE SEA PAINTER?	___
LED WELL FORWARD	___	NOTE: EXAMINEE SHOULD SAY "INBOARD OF FALLS, OUTBOARD OF EVERYTHING ELSE".	___
SLACK REMOVED	___	HOW MUCH SLACK IN LINE?	___
MADE FAST ON DECK	___	WHAT DO YOU DO AFTER REMOVING SLACK?	___
HOW MADE FAST IN LB	___	EYE AROUND FWD THWART INB'D WITH TOGGLE	___
RELEASE GRIPES:	___	WHAT DO YOU DO WITH THE GRIPES?	___
REMOVE FROM BOAT	___	CAN ALSO BE LEFT IN BOAT SECURED	___
LEAVE INBOARD	___	WHERE PEOPLE WILL NOT TRIP ON THEM	___

LIFEBOAT LAUNCHING - PRACTICAL EXAMINATION

LIFEBOAT LOWERING (Cont)		*****	
EVERY ONE OUT OF LB	___	HOW MANY PEOPLE REMAIN IN THE LB WHILE LOWERING TO THE EMBARKATION DECK?	___
LB TO EMBARKATION DECK	___	LIFEBOAT SHOULD BE LOWERED SLOWLY	___
STRAIN ON TRICING LINES	___	ONLY ENOUGH STRAIN TO BRING LB ALONGSIDE	___
PASS FRAPPING LINES	___	FRAPPING LINES SECURED TO CLEATS	___
EMBARK CREW & PASSENGERS	___	WHAT SHOULD CREW & PASSENGERS BE WEARING?	___
DISTRIBUTE WEIGHT	___	WHERE SHOULD THEY BE PLACED?	___
EVERY ONE SEATED	___	IN WHAT POSITION	___
HAND(S) ON MANROPE	___	WHAT SHOULD THEY HOLD ON TO?	___
TEND FRAPPING LINE	___	WHAT IS TENDED WHEN THE TRICING LINES ARE RELEASED?	___
LET GO TRICING LINES	___	WHAT IS LET GO SO BOAT MAY BE LOWERED?	___
TEND FRAPPING LINES	___	HOW IS MOTION OF DECENDING LB REDUCED?	___
EASE OUT	___	WHAT TO DO AFTER RELEASING TRICING LINE?	___
REDUCE MOTION	___	KEEP SOME STRAIN ON FRAPPING LINES	___
ALL CLEAR BELOW	___	WHAT DO YOU CHECK ON BEFORE LOWERING LB?	___
ORDER "LOWER AWAY"	___	WHAT DO YOU TELL WINCH BREAKMAN?	___
FEND OFF SHIP'S SIDE	___	USE BOATHOOKS NOT HANDS	___
START ENGINE	___	BEFORE ENTERING WATER IF SO EQUIPED	___
*****CASTING OFF*****		*****	
WHEN FIRST WATERBORNE	___	RELEASE BOAT ON CREST OF FIRST WAVE	___
ORDER "RELEASE BOAT"	___	GOOD TIMING ESSENTIAL (LB WATERBORNE)	___
CANT BOW OUT	___	TILLER TOWARD SHIP	___
CLEAR VESSELS SIDE	___	IF SHIP HAS HEADWAY	___
PULL TOGGLE PIN	___	STAY CLEAR OF PAINTER - EVERYONE SEATED	___
LOOK FOR SURVIVERS	___	WHAT DO YOU LOOK FOR?	___

LIFEBOAT LAUNCHING - PRACTICAL EXAMINATION

*****RECOVERING LIFEBOAT*****

RADIO FOR PERMISSION TO COME ALONGSIDE	_____	HOW DO YOU GET PERMISSION TO COME ALONGSIDE?	_____
INSPECT RELEASING GEAR	_____	WHEN IS THE ROTTMER GEAR LOCKED?	_____
COME ALONGSIDE AT 45 DEG ANGLE AHEAD OF FALLS	_____	HOW DO YOU COME ALONG SIDE A VESSEL THAT IS UNDERWAY?	_____
SECURE SEA PAINTER	_____	WHAT IS HOOKED UP FIRST?	_____
MANEUVER UNDER FALLS	_____	WHERE WILL THE SEA PAINTER PLACE YOU?	_____
EASE FRAPPING LINES OUT	_____	HOW DO YOU RECEIVE THE FALLS?	_____
ENGAGE HOOKS FWD AND AFT	_____	WHICH FALL GETS HOOKED UP FIRST?	_____
SECURE RELEASING GEAR	_____	WHAT KEEPS HOOKS FROM COMING LOOSE?	_____
RAISE BOAT ABOVE DECK	_____	HOW FAR DO YOU RAISE THE BOAT?	_____
CONNECT TRICING LINES	_____	WHEN DO THE TRICING LINES GET CONNECTED?	_____
LOWER TO DECK	_____	WHAT NEXT AFTER CONNECTING TRICING LINES?	_____
DISEMBARK CREW	_____	WHERE DO YOU DISEMBARK THE CREW?	_____
UN CAP DRAIN	_____	HOW DO YOU KEEP LB FREE OF RAIN WATER?	_____
CHECK FOR OBSTRUCTIONS	_____	WHAT DO YOU CHECK BEFORE RAISING LB?	_____
RELEASE FRAPPING LINES	_____	WHAT DO YOU RELEASE BEFORE RAISING LB?	_____
START RAISING LB	_____	WHEN DO YOU RAISE THE LB?	_____
CHECK LIMIT SWITCHES	_____	WHAT DO YOU CHECK WHILE RAISING THE LB?	_____
RAISE LB TO 12" FROM STOWED POSITION	_____	HOW FAR DO YOU RAISE THE LB?	_____
DISCONNECT POWER TO WINCH	_____	HOW DO YOU SECURE WINCH?	_____
HAND CRANK TO FINAL POSITION	_____	HOW DO YOU BRING LB TO FINAL POSITION?	_____
SECURE GRIPES+LOCKING BAR	_____	HOW DO YOU SECURE LB?	_____
LOWER LB TILL IT RESTS ON KEEL STOPS AND THERE IS STILL TENSION ON FALLS	_____	WHAT DO YOU DO AFTER GRIPES ARE TIGHT?	_____
STOW ALL GEAR	_____	WHAT DO YOU DO WITH LOOSE GEAR?	_____
REPLACE STRONGBACK&COVER	_____	HOW DO YOU PROTECT INTERIOR OF STOWED LB?	_____

LIFEBOAT LAUNCHING - PRACTICAL EXAMINATION

LIFERAFT PROCEDURES

LAUNCHING THE LIFERAFT	_____	THROW OVERBOARD OR FLOAT FREE	_____
LIFERAFT WILL TAKE 30 - 40 SECONDS TO INFLATE	_____	HOW LONG DOES IT TAKE TO INFLATE THE LIFERAFT?	_____
PAINTER ATTACHED TO SHIP	_____	HOW DO YOU KEEP LIFERAFT NEAR SHIP?	_____
CHECK SEA ANCHOR DEPLOYED	_____	WHAT KEEPS LR FROM DRIFTING AWAY?	_____
DO NOT JUMP INTO LIFERAFT	_____	HOW DO YOU ENTER THE LIFERAFT?	_____
ASSIST INJURED	_____	HOW DO INJURED PEOPLE GET INTO LIFERAFT?	_____
REMOVE ALL SHARP OBJECTS	_____	WHAT DO YOU DO TO PREVENT PUNCTURING THE LIFERAFT?	_____
LASH DOWN EQUIPMENT	_____	WHAT DO YOU DO WITH THE EQUIPMENT?	_____
INFLATE FLOOR IN COLD TEMP	_____	WHAT HELPS TO PRESERVE HEAT IN COLD SEA?	_____
NO SMOKING	_____	WHAT CREATES ADDITIONAL THIRST?	_____
DO NOT SEAL UP ENTRYWAYS	_____	HOW DO YOU VENTILATE RAFT - CLEAR CO2?	_____
TIE LIFERAFTS TOGETHER	_____	HOW DO YOU KEEP RAFTS IN A GROUP?	_____
UNSCREW BULB IN DAYLIGHT	_____	HOW DO YOU PRESERVE THE BATTERIES?	_____
RIGHT LR W RIGHTING STRAP	_____	HOW DO YOU RIGHT A CAPSIZED LIFERAFT?	_____

APPENDIX B

Lifeboatman

Letter of Competency (Sample)

INSTRUCTIONS

1. Your assistance in administering the practical portion of the examination is requested. Certification of the bearers ability to carry out the evolutions listed below in a competent manner will enable the issuance of a lifeboatman endorsement in accordance with 46 CFR Part 12.
2. The demonstrations of ability shall be witnessed by a vessel Master, Coast Guard Examining Officer, Coast Guard Marine Inspector, or a responsible person authorized in writing by the Officer in Charge Marine Inspection. This letter shall be signed by the person witnessing the demonstrations.
3. The bearer may present this completed form to Coast Guard Regional Exam Center personnel as evidence of satisfactory completion of all requirements. When all requirements are met the bearer may be issued a merchant mariners document endorsed for lifeboatman.
4. Completion of this letter of competency during a single examination is not required.

To whom it may concern:

The bearer, _____, _____, has satisfactorily
NAME Social Security No.
completed a practical demonstration of proficiency in the duties
indicated below.

1. Operations connected with the launching of lifeboats,
survival capsules, or life rafts, including the carrying out of
the usual orders given.

Signature Title

Vessel & Official No. Date

2. Practical handling of lifeboats, survival capsules, or
life rafts including operation of equipment installed in
the craft.

Signature Title

Vessel & Official No. Date

3. Ability to take command of a survival craft.

Signature Title

Vessel & Official No. Date



